

User Centric Data Acquisition and Delivery Systems for Precision Ag, Phase I

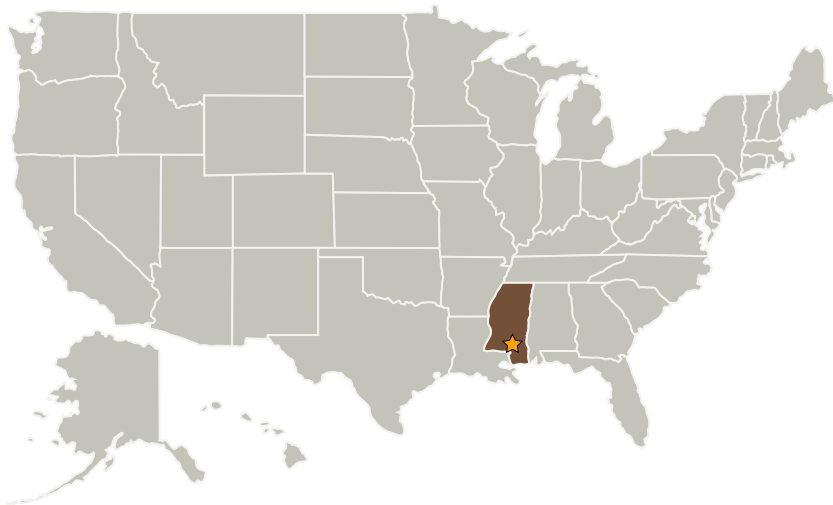
Completed Technology Project (2004 - 2005)



Project Introduction

The availability of remotely sensed data has been improving with each new high-resolution satellite obtaining operational capability in orbit. However, the ability of commercial and government entities to efficiently share or sell this data has not kept pace. The proposed GeoSpatial data distribution system will exploit recent improvements in advanced computing environments and processing algorithms to provide on demand products with a "no minimum purchase" requirement. The inability of data providers to efficiently create and disseminate small foot prints or even on-demand data products has been a limiting factor in expanding the use of remotely sensed data. Creating a system that can efficiently distribute data or products in small foot prints will greatly improve the economic viability of the entire industry. Providing a customer initiated order system will make ordering up remotely sensed data as easy as creating a Web-based profile and interactively selecting and downloading the raw-data of choice or choosing and executing the real-time development of a data product. Pay by the square kilometer with no minimums. Use of the advanced functions provide unprecedented functionality to create a new, customer defined data product.

Primary U.S. Work Locations and Key Partners



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Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Center / Facility:

Stennis Space Center (SSC)

Responsible Program:

Small Business Innovation Research/Small Business Tech Transfer

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Organizations Performing Work	Role	Type	Location
★Stennis Space Center(SSC)	Lead Organization	NASA Center	Stennis Space Center, Mississippi
NVision Solutions, Inc.	Supporting Organization	Industry Small Disadvantaged Business (SDB), Women-Owned Small Business (WOSB)	

Primary U.S. Work Locations

Mississippi

Project Management

Program Director:

Jason L Kessler

Program Manager:

Carlos Torrez

Principal Investigator:

Craig Harvey

Technology Areas

Primary:

- TX11 Software, Modeling, Simulation, and Information Processing
 - └ TX11.4 Information Processing
 - └ TX11.4.2 Intelligent Data Understanding